Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/11/2015 11:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123943	-1	2.02	123800	1.95
Blue	F	SSC	125000	123471	-2	2.93	124511	2.71
Blue	E	FITC	17998	17438	-4	2.40	985	8.01
Blue	D	PE	23234	22671	-3	2.05	1024	7.36
Blue	B	PerCP-Cy5-5	69571	68097	-3	2.66	1794	11.90
Blue	A	PE-Cy7	77815	76418	-2	3.70	1007	22.45
Red	C	APC	65936	65665	-1	2.53	3703	7.66
Red	A	APC-Cy7	100669	100621	-1	2.62	1991	7.62
Violet	B	V450	10405	9854	-6	3.67	612	7.99
Violet	A	V500	47250	45666	-4	3.35	2583	5.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19730	7.21	579	0	N/A	N/A	Pass
Blue	F	SSC	61772	1.91	495	6	N/A	N/A	Pass
Blue	E	FITC	107	31.65	514	-1	0.0313	49	Pass
Blue	D	PE	213	21.90	506	-1	0.2019	102	Pass
Blue	B	PerCP-Cy5-5	219	36.04	589	-1	0.0136	2	Pass
Blue	A	PE-Cy7	76	89.43	645	-1	0.0184	12	Pass
Red	C	APC	347	24.71	577	-1	0.0242	15	Pass
Red	A	APC-Cy7	125	36.74	558	-1	0.0053	835	Pass
Violet	B	V450	64	42.36	453	3	0.0510	2052	Pass
Violet	A	V500	169	20.80	493	5	0.0154	104	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.44	-31.23	0.77
Blue	20.48	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.21
Red	17.33	13.07 - 19.61	N/A	N/A	31.93	32.20	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 11590

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments